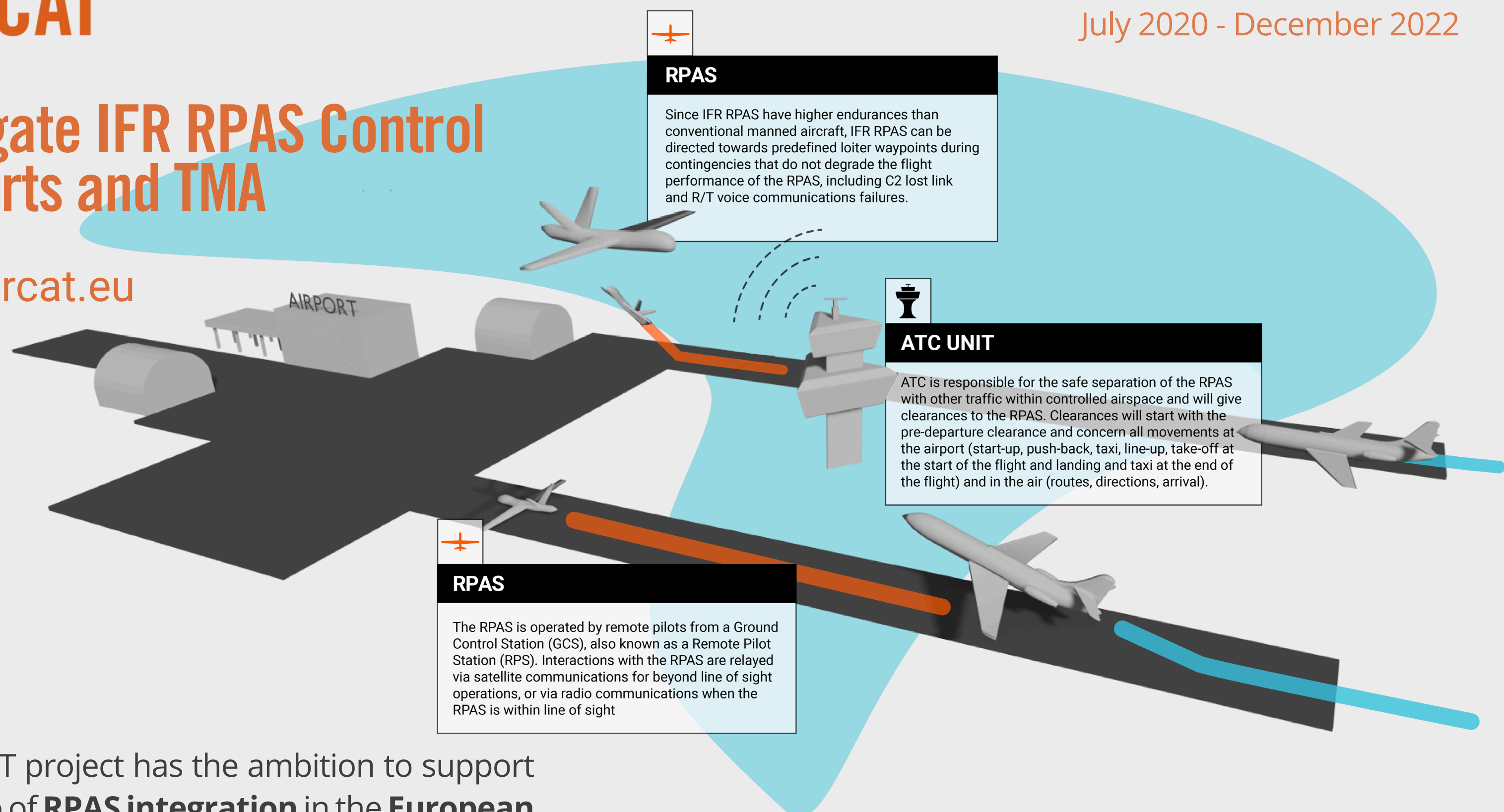




INVIRCAT

Investigate IFR RPAS Control in Airports and TMA

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The INVIRCAT project has the ambition to support the next step of **RPAS integration** in the **European airspace**, namely the control of RPAS in airport and TMA environments under Instrument Flight Rules.

CONCEPT OF OPERATIONS

The project develops a **complete concept of operations** and a set of **high-level requirements on technical capabilities and procedural means** to allow RPAS to safely operate in airport environments, including requirements to fully comply with ATC instructions and the development of new procedures and tools to allow ATC to handle IFR RPAS in a cooperative environment. This also includes **means for integrating airport located remote pilot stations for the control of RPAS in the airport and TMA environment**.

VALIDATION

The project validates its concept and requirements by conducting real-time, distributed simulations with shared virtual environments, involving ATC controllers and remote pilots. These simulations allow validating predefined assumptions, requirements and concepts for a complete flight process.

RECOMMENDATIONS

A set of conclusions and recommendations will be produced to help decision makers developing a harmonized approach for the RPAS integration in airport and TMA environments under Instrument Flight Rules.



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10th SESAR Innovation Days

